

## CLAIMS

### What is claimed is:

1. A vapor-producing composition for disinfecting a space comprising one or more essential oils or essential oil components, and a mixture of volatile and non-volatile solvents absorbed on a carrier.
2. The composition of claim 1, wherein the essential oil component is cinnamic aldehyde.
3. The composition of claim 1, wherein the essential oil component is cinnamic alcohol.
4. The composition of claim 1, wherein the essential oil component is eugenol.
5. The composition of claim 1, wherein the essential oil is a tea tree oil.
6. The composition of claim 1, wherein the essential oil is cinnamon oil.
7. The composition of claim 1, wherein the volatile solvent is an alcohol.
8. The composition of claim 7, wherein the alcohol is isopropanol.
9. The composition of claim 1, wherein the non-volatile solvent is water.
10. The composition of claim 9, wherein the non-volatile solvent is a glycol.
11. The composition of claim 10, wherein the glycol is monopropylene glycol.
12. The composition of claim 1, wherein the ratio of volatile to non-volatile solvents is in the ratio 10:1 to 1:10.
13. The composition of claim 1, wherein carrier is a non-woven material.
14. The composition of claim 13, wherein the non-woven carrier is a combination of cellulose and polypropylene.
15. The composition of claim 1, wherein the carrier is cardboard.
16. The composition of claim 1, wherein the carrier is sintered plastic.
17. The composition of claim 1, wherein the carrier is amorphous silicon dioxide.
18. The composition of claim 1, wherein the cardboard carrier has one dimension of at least 200mm.
19. The composition of claim 1, wherein the carrier is a self-adhesive item or label.

20. A vapor-producing formulation comprising one or more essential oils or essential oil components and a mixture of volatile and non-volatile solvents in a viscous liquid.
21. The formulation of claim 20, wherein the essential oil component is cinnamic aldehyde.
22. The formulation of claim 20, wherein the essential oil component is cinnamic alcohol.
23. The formulation of claim 20, wherein the essential oil component is eugenol.
24. The formulation of claim 20, wherein the essential oil is a tea tree oil.
25. The formulation of claim 20, wherein the essential oil is cinnamon oil.
26. The formulation of claim 20, wherein the volatile solvent is an alcohol.
27. The formulation of claim 26, wherein the alcohol is isopropanol.
28. The formulation of claim 20, wherein the non-volatile solvent is water.
29. The formulation of claim 20, wherein the non-volatile solvent is a glycol.
30. The formulation of claim 29, wherein the glycol is monopropylene glycol.
31. The formulation of claim 20, wherein the ratio of volatile to non-volatile solvents is in the ratio 10:1 to 1:10.
32. A formulation according to claim 20, wherein the viscosity is modified by addition of silicon dioxide.
33. A carrier material, comprising one or more essential oil or essential oil components impregnated thereon, wherein the carrier is a resilient or rigid material having a length of at least 200mm.
34. A carrier material according to claim 33, wherein the material is cardboard.
35. A carrier material according to claim 33, comprising a length of about 300mm and a width of no more than about 50mm.
36. A carrier material according to claim 33, wherein the carrier material comprises an elongated substantially flat card for insertion into a waste bin.
37. Use of a composition of claim 1, to sanitize and deodorize a waste disposal bin.

- 38. Use of a formulation of claim 20, to sanitize and deodorize a waste disposal bin.
- 39. Use of a carrier material of claim 33, to sanitize and deodorize a waste disposal bin.
- 40. A waste disposal bin comprising the composition of claim 1.
- 41. A waste disposal bin comprising the formulation of claim 20.
- 42. A waste disposal bin comprising a carrier of claim 33.